

Listing of Claims

1 – 6. (canceled)

7. (previously presented) The method of regulating the heat output of a jacket heater, characterized in that the temperature difference between two radially offset points within the jacket heater in a horizontal plane intersecting the jacket heater and the crucible is determined, and the temperature difference thus determined is adjusted to zero by a corresponding regulation of the heat output of the jacket heater.
8. (previously presented) The method of regulating the heat output of a jacket heater according to Claim 7, characterized in that the crystal-growing furnace is provided with a plurality of heating zones situated one above the other, each defined by a jacket heater, and the regulation of the heat output of the jacket heaters of the individual heating zones is performed by a multi-variable regulator so that the sum of the squares of the deviation of the temperature differences prevailing in the particular heating zone is minimal.
9. (previously presented) The method of regulating the heat output of a jacket heater according to claim 7 or 8, characterized in that the temperature measurement is performed with thermocouples.